

BE25S-01SP1-02-02-0305

BE25S SERIES

50 Ω MICROWAVE CABLE ASSEMBLIES

SPECIFICATIONS

For complete specifications see www.samtec.com?BE25S

RF Connector:

Outer Contact Material:

Brass (SMA), Gold (SMP)

Center Contact Material:

Brass (SMA Plug)

BeCu (SMA & SMP Jack)

Insulator Material:

PTFE

Operating Temperature:

-65 °C to +165 °C

Insulator Resistance:

5,000 MΩ

Impedance:

50 Ω

Frequency Range:

0-20 GHz (SMA)

DC to 20 GHz (SMP)

V.S.W.R.:

1.3 max

RoHS Compliant:

Yes

MWC-2550-01**Cable:**

Cable Type:

Low Loss Microwave Coax

Gauge:

25 AWG Silver plated Copper

Dielectric:

Solid FEP

Jacket Material:

FEP

Bend Radius:

9 mm

Impedance:

50 Ω ±1 Ω

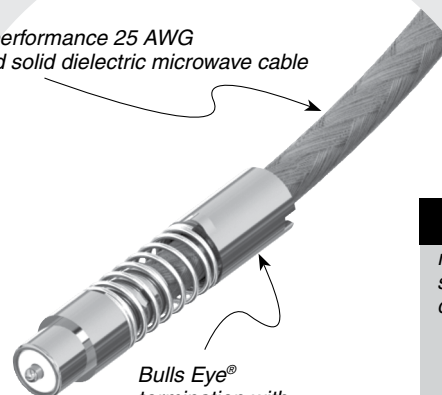
Propagation Delay:

3.84 nsec/meter

Capacitance:

75.4 pF/meter

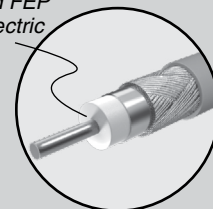
High performance 25 AWG
rugged solid dielectric microwave cable



Bulls Eye®
termination with
SMA or SMP
end option

APPLICATION

rugged
solid FEP
dielectric

**CABLE TYPE****BE25S**

= Rugged solid FEP
Dielectric 25 AWG,
MWC-2550-01
Microwave Cable

END 2 OPTION

Specify
END 2
OPTION
from chart

PHASE MATCHING**-02**

= 2.0 Pico-second

-05

= 5.0 Pico-second

-10

= 10.0 Pico-second

NO. OF CABLES**-02**

= 2 phase matched
cable assemblies

-04

= 4 phase matched
cable assemblies

-06

= 6 phase matched
cable assemblies

-08

= 8 phase matched
cable assemblies

OVERALL LENGTH

Stocked lengths

-0152

= (152.4 mm) 6.00"

-0305

= (304.8 mm) 12.00"

-0457

= (457.2 mm) 18.00"

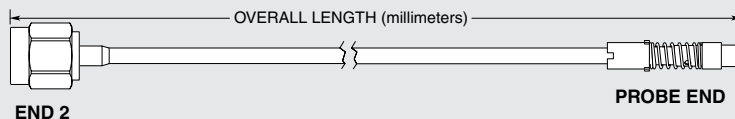
-0914

= (914.4 mm) 36.00"

(Other lengths up
to (9999 mm) 393.7"
available)

EXTRACTION TOOLS

- -SCC41: CAT-EX-SCC-01
- SMP: CAT-EX-SMP-01



END 2 OPTIONS	
-01SP1 = SMA Straight Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	
-01BJ1 = SMA Bulkhead Jack (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	

END 2 OPTIONS	
-SCC41 = Bulls Eye® Test Point (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	
-00SJ7 = SMP Straight Jack (10 μ" (0.25 μm) Gold on Center Contact, Gold Flash on Shell)	
-00RJ7 = SMP Right-Angle Jack (10 μ" (0.25 μm) Gold on Center Contact, Gold Flash on Shell)	

Notes:

Cable lengths longer than
40.00" (1 meter) are not
supported with S.I. test data.

Some lengths, styles and
options are non-standard,
non-returnable.

Mouser Electronics

Authorized Distributor

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Samtec:

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